

Appl. No. 09 306,SS6
Amdt. Dated 03-25 2003
Reply to Office Action of Oct. 4, 2002

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Listing of Claims:

1. (amended) A controlled foaming system especially adapted for use in detergent compositions comprising:
 - (a) a foaming component capable of providing foaming or sudsing without agitation; and
 - (b) a delayed-release foam suppressing component: said foam suppressing component comprising a silicone foam suppressing agent which is releasably incorporated in a carrier, thereby delaying the release of said silicone foam suppressing agent, wherein said silicone foam suppressing agent has an average droplet diameter of from about 1 to about 50 microns and wherein said carrier is water-soluble or water dispersible, substantially non-surface active, detergent-impermeable, and non-hygroscopic, said foam suppressing component being in the form of irregularly shaped flakes having a minimum dimension of not less than about 0.05 cm and a maximum dimension at least about 20% greater than the minimum dimension, said flakes having a thickness of from 0.05 cm to 0.15 cm.
2. The controlled foaming system of Claim 1, wherein the foaming component comprises an effervescent granule comprising an acid source, and carbonate and/or bicarbonate.

Claims 3 and 4 (cancelled)

5. The controlled foaming system of Claim 2, wherein the foaming component produces upon contact with water gas bubbles having an average bubble particle size of about 400 microns or less.
6. (amended) The controlled foaming system of Claim 2, wherein the acid source is selected the group consisting of from acids and hydrated or anhydrous salts of acids and is a mono or polycarboxylic acid selected from the group consisting of citric, malic, maleic, fumaric, aspartic, glutaric, tartaric, malonic, succinic or and adipic acid, monosodium phosphate, boric acid, 3 chetoglutaric acid, citramalic acid, and mixtures thereof.
7. The controlled foaming system of Claim 2, wherein the effervescent granule further comprises a binder selected from the group consisting of cellulose derivatives, carboxymethylcellulose and homo- and co- polymeric polycarboxylic acid and their salts, C6-C20 alkyl and alkylaryl sulphonates and sulphates, C10-C20 alcohol ethoxylates containing from about 5 to about 100 moles of ethylene oxide per mole of alcohol, polyvinylpyrrolidones with an average molecular weight of from about 12 000 to about 700,

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000. polyethylene glycols with an average weight of from 600 to 10,000, copolymers of maleic anhydride with ethylene, methylvinyl ether, methacrylic acid or acrylic acid, C10-C20 mono and diglycerol ethers, C10-C20 fatty acids and mixtures thereof.

8. (cancelled)

9. (amended) The controlled foaming system of Claim 2, wherein the ~~delayed-release~~ foaming component further comprises a suds booster selected from the group consisting of amine oxide, polyethylene glycol, monoethanol amine, diethanol amine, fatty alcohol, sugar, protein, betaine, and mixtures thereof.

10. (amended) The controlled foaming system of Claim 2, wherein ~~the foaming component and the delayed-release foam suppressing component are independent dry particles, wherein the~~ foaming component has an average particle size of from about 75 microns to about 2 cm.

11. A granular detergent composition comprising the controlled foaming system of Claim 1, further comprising a deterative component selected from the group consisting of surfactants, bleaches, alkali metal salt of silicate, builders, chelating agents, enzymes, fillers, soil suspending agents, optical brighteners, dispersants, soil release agents, photoactivated bleaches, dyes, dye transfer inhibitors, pigments, perfumes, clay softening system, cationic fabric softening agents, and mixtures thereof.

12. (cancelled)